

XLPE CABLES 600/1000 V

06. SINGLE CORE COPPER/XLPE/PVC



For mains, submains and sub-circuits unenclosed, enclosed in conduit, buried direct or in underground ducts for buildings and industrial plants where not subject to mechanical damage. Suitable where space is at a premium and/or where conditions of overload may occur. Suitable for glanding.

STANDARD	AS/NZS 5000.1
VOLTAGE	600/1000 V
CONDUCTOR	Copper 16-500 mm ²
INSULATION	XLPE, X-90 Natural
SHEATH	PVC, 5V -90 Black
MAX. OPERATING TEMP.	90 °C

Conductor		Overall Diameter		Approx. Mass (kg/km)
mm ²	(No./mm)	Min (mm)	Max (mm)	
16	7/1.70	9.30	10.36	210
25	19/1.35	11.35	12.35	320
35	19/1.53	12.25	13.25	430
50	19/1.78	13.70	14.70	550
70	19/2.14	15.70	16.70	760
95	19/2.52	17.66	18.66	1040
120	37/2.03	19.61	20.61	1310
150	37/2.25	21.75	22.75	1590
185	37/2.52	24.24	25.24	1980
240	61/2.25	27.25	28.25	2610
300	61/2.52	30.08	31.08	3340
400	61/2.85	33.65	34.65	4250
500	61/3.20	37.40	38.40	5500

XLPE CABLES 600/1000 V

07. SINGLE CORE ALUMINIUM/XLPE/PVC



For mains, submains and sub-circuits unenclosed, enclosed in conduit, buried direct or in underground ducts for buildings and industrial plants where not subject to mechanical damage. An aluminium cable have larger cross section compare to copper conductor to pass the same current but significantly lighter.

STANDARD	AS/NZS 5000.1
VOLTAGE	600/1000 V
CONDUCTOR	Stranded Aluminium (Class 2)
INSULATION MATERIAL	XLPE (X-90) Natural
SHEATHING MATERIAL	SV-90 Black
MAX. OPERATING TEMP.	90 °C

Product Name	Conductor		Approx. Overall Diameter mm	Approx. Mass kg/km
	No./mm	mm ²		
16sqmm AL/XLPE/PVC	7/1.70	16	9.5	116
25sqmm AL/XLPE/PVC	7/2.14	25	11.2	164
35sqmm AL/XLPE/PVC	7/2.52	35	12.4	204
50sqmm AL/XLPE/PVC	19/1.78	50	13.1	230
70sqmm AL/XLPE/PVC	19/2.14	70	15	310
95sqmm AL/XLPE/PVC	19/2.52	95	16.9	400
120sqmm AL/XLPE/PVC	37/2.03	120	18.5	480
150sqmm AL/XLPE/PVC	37/2.25	150	20.4	580
185sqmm AL/XLPE/PVC	37/2.52	185	22.6	730
240sqmm AL/XLPE/PVC	61/2.25	240	25.3	930
300sqmm AL/XLPE/PVC	61/2.52	300	28	1140
400sqmm AL/XLPE/PVC	61/2.85	400	31.5	1450
500sqmm AL/XLPE/PVC	61/3.20	500	35.2	1800